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## **CLAIMS**

1. A quilting apparatus for guiding a sewing machine relative to at least one layer of fabric, the quilting apparatus comprising:

a quilting frame shaped to dispose the fabric in a substantially planar orientation defined by lateral and longitudinal dimensions;

a support structure removably mountable to a working surface to attach the quilting frame to the working surface; and

a carriage assembly disposed to transport the sewing machine with respect to the fabric along the lateral and longitudinal dimensions.

2. The quilting apparatus of claim 1, wherein the support structure comprises a support leg having an L-shape with a generally horizontal portion that rests on and lies along the working surface, and a generally vertical portion to which the quilting frame is attached.

3. The quilting apparatus of claim 2, wherein the quilting frame is attachable at multiple positions along the generally vertical portion to permit adjustment of a height of the quilting frame over the working surface.

4. The quilting apparatus of claim 1, wherein the carriage assembly is supported by the working surface.

5. The quilting apparatus of claim 4, wherein the carriage assembly
comprises a lower carriage component supported by the working surface and constrained
to move along one of the lateral and longitudinal dimensions, and an upper carriage
component supported by the lower carriage component and constrained to move along
the other of the lateral and longitudinal dimensions, the upper carriage component
comprising a surface on which the sewing machine is removably disposable.

- 6. The quilting apparatus of claim 4, further comprising a track removably disposable on the working surface, wherein the carriage assembly is guided by the track.
- 7. The quilting apparatus of claim 1, wherein the quilting frame comprises two opposing end plates extending along the lateral dimension, each of the end plates comprising a plurality of receiving apertures positioned to receive a plurality of support members extending longitudinally between the end plates to act as spools for storing at least a portion of the fabric.
- 8. The quilting apparatus of claim 7, wherein each of the end plates comprises a one-piece structure that permits positioning of the fabric in the substantially planar orientation independent of attachment of the quilting frame to the working surface.
- 9. The quilting apparatus of claim 7, wherein each of the support members comprises a one-piece structure with a fixed length such that the end plates are separated by a fixed, non-adjustable displacement.

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10. The quilting apparatus of claim 7, wherein each of the support members comprises an adjustable length to permit adjustment of a longitudinal dimension of the quilting frame to a length of the working surface.

1	11. A quilting apparatus for guiding a sewing machine relative to at least one
2	layer of fabric, the quilting apparatus comprising:
3	a quilting frame shaped to dispose the fabric in a substantially planar orientation
4	defined by lateral and longitudinal dimensions;
5	a support structure that disposes the quilting frame at an adjustable height above a
6	working surface; and
7	a carriage assembly disposed to transport the sewing machine with respect to the
8	fabric along the lateral and longitudinal dimensions.
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10	12. The quilting apparatus of claim 11, wherein the support structure
11	comprises a support leg having an L-shape with a generally horizontal portion that rests
12	on and lies along the working surface, and a generally vertical portion to which the frame
13	is attached.
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15	13. The quilting apparatus of claim 12, wherein the vertical portion comprises
16	a slotted opening that cooperates with an adjustable mechanism attached to the quilting
17	frame, wherein the adjustable mechanism releasably grips the vertical portion to dispose
18	the quilting frame at the adjustable height.
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20	14. The quilting apparatus of claim 13, wherein the adjustable mechanism
21	comprises a knob that threadably engages the quilting frame through the slotted opening.

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15. A quilting apparatus for guiding a sewing machine relative to at least one layer of fabric, the quilting apparatus comprising:

a quilting frame shaped to dispose the fabric in a substantially planar orientation defined by lateral and longitudinal dimensions;

a support structure that disposes the quilting frame above a working surface; and a carriage assembly disposed to transport the sewing machine with respect to the fabric along the lateral and longitudinal dimensions, the carriage assembly comprising a lower carriage component supported by the working surface and constrained to move along one of the lateral and longitudinal dimensions, and an upper carriage component supported by the lower carriage component and constrained to move along the other of the lateral and longitudinal dimensions, the upper carriage component comprising a surface on which the sewing machine is removably disposable.

16. The quilting apparatus of claim 15, wherein a first track is disposed on the working surface and a second track is disposed on the lower carriage component, wherein the lower carriage component comprises a plurality of wheels disposed to ride along the first track and the upper carriage component comprises a plurality of wheels disposed to ride along the second track.

17. The quilting apparatus of claim 15, wherein the carriage assembly comprises a handle disposed to be gripped by a user to facilitate actuation of the carriage assembly in the longitudinal and lateral directions by hand.

1	18. A quilting apparatus for guiding a sewing machine relative to at least one
2	layer of fabric, the quilting apparatus comprising:
3	a quilting frame shaped to dispose the fabric in a substantially planar orientation
4	defined by lateral and longitudinal dimensions;
5	a first track removably disposable on a working surface; and
6	a carriage assembly supported by the working surface such that the carriage
7	assembly is guided by the first track to transport the sewing machine with respect to the
8	fabric.
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10	19. The quilting apparatus of claim 18, further comprising a second track
11	removably disposable on the working surface, parallel to the first track, such that the first
12	and second tracks cooperate to guide the carriage assembly.
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14	20. The quilting apparatus of claim 18, wherein the carriage assembly
15	comprises a plurality of wheels disposed to ride along the first track.

21. A method for guiding a sewing machine relative to at least one layer of fabric mounted on a quilting frame, the method comprising:

using the quilting frame to dispose the fabric in a substantially planar orientation defined by lateral and longitudinal dimensions;

removably mounting a support structure to a working surface to attach the quilting frame to the working surface; and

guiding the sewing machine with respect to the fabric along the lateral and longitudinal dimensions via a carriage assembly.

22. The method of claim 21, wherein the support structure comprises a support leg having an L-shape with a generally horizontal portion and a generally vertical portion, wherein removably mounting the support structure to the working surface comprises resting the generally horizontal portion on the working surface such that the generally horizontal portion lies along the working surface, and attaching the quilting frame to the generally vertical portion.

- 23. The method of claim 22, wherein the quilting frame is attachable at multiple positions along the generally vertical portion, the method further comprising adjusting a height of the quilting frame over the working surface by attaching the quilting frame to the vertical portion at one of the positions.
- 24. The method of claim 21, further comprising disposing the carriage assembly such that the carriage assembly is supported by the working surface.

25. The method of claim 24, wherein the carriage assembly comprises a lower carriage component supported by the working surface and an upper carriage component supported by the lower component, the method further comprising:

constraining the lower carriage component to move along one of the lateral and longitudinal dimensions;

constraining the upper carriage component to move along the other of the lateral and longitudinal dimensions; and

removably disposing the sewing machine on a surface of the upper carriage component comprising.

- 26. The method of claim 24, further comprising removably disposing a track on the working surface such that the carriage assembly is guided by the track.
- 27. The method of claim 21, wherein the quilting frame comprises two opposing end plates extending along the lateral dimension, each of the end plates comprising a plurality of receiving apertures, the method further comprising disposing a plurality of support members to extend longitudinally between the end plates to act as spools for storing at least a portion of the fabric.
- 28. The method of claim 27, wherein each of the end plates comprises a onepiece structure, wherein disposing the fabric in a substantially planar orientation is carried out substantially independently of attachment of the quilting frame to the working surface.

- 29. The method of claim 27, wherein each of the support members comprises a one-piece structure with a fixed length, wherein disposing the support members to extend longitudinally between the end plates comprises separated by a fixed, nonadjustable displacement.
- 30. The method of claim 27, wherein each of the support members comprises an adjustable length, wherein disposing the support members to extend longitudinally between the end plates comprises separating the end plates by an adjustable displacement to permit adjustment of a longitudinal dimension of the quilting frame to a length of the working surface.

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31. A method for guiding a sewing machine relative to at least one layer of fabric mounted on a quilting frame, the method comprising:

using the quilting frame to dispose the fabric in a substantially planar orientation defined by lateral and longitudinal dimensions;

disposing the quilting frame at an adjustable height above a working surface via a support structure; and

guiding the sewing machine with respect to the fabric along the lateral and longitudinal dimensions via a carriage assembly.

- 32. The method of claim 31, wherein the support structure comprises a support leg having an L-shape with a generally horizontal portion and a generally vertical portion, wherein removably mounting the support structure to the working surface comprises resting the generally horizontal portion on the working surface such that the generally horizontal portion lies along the working surface, and attaching the quilting frame to the generally vertical portion.
- 33. The method of claim 32, wherein the vertical portion comprises a slotted opening that cooperates with an adjustable mechanism attached to the quilting frame, wherein disposing the quilting frame at an adjustable height above the working surface comprises releasably gripping the vertical portion with the adjustable mechanism to dispose the quilting frame at the adjustable height.

The method of claim 33, wherein the adjustable mechanism comprises a

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35. A method for guiding a sewing machine relative to at least one layer of fabric mounted on a quilting frame, the method comprising:

using the quilting frame to dispose the fabric in a substantially planar orientation defined by lateral and longitudinal dimensions;

disposing the quilting frame above a working surface via a support structure; and guiding the sewing machine with respect to the fabric along the lateral and longitudinal dimensions via a carriage assembly comprising a lower carriage component supported by the working surface and constrained to move along one of the lateral and longitudinal dimensions, and an upper carriage component supported by the lower carriage component and constrained to move along the other of the lateral and longitudinal dimensions, the upper carriage component comprising a surface on which the sewing machine is removably disposable.

36. The method of claim 35, further comprising disposing a first track on the working surface and disposing a second track on the lower carriage component, wherein the lower carriage component comprises a plurality of wheels disposed to ride along the first track and the upper carriage component comprises a plurality of wheels disposed to ride along the second track.

37. The method of claim 35, wherein guiding the sewing machine with respect to the fabric comprises gripping a handle of the carriage assembly to actuate the carriage assembly in the longitudinal and lateral directions by hand.

1	38. A method for guiding a sewing machine relative to at least one layer of
2	fabric mounted on a quilting frame, the method comprising:
3	using the quilting frame to dispose the fabric in a substantially planar orientation
4	defined by lateral and longitudinal dimensions;
5	removably disposing a first track on a working surface; and
6	using the first track to guide a carriage assembly supported by the working
7	surface to transport the sewing machine with respect to the fabric.
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9	39. The method of claim 38, further comprising removably disposing a second
10	track on the working surface, parallel to the first track, such that the first and second
11	tracks cooperate to guide the carriage assembly.
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13	40. The method of claim 38, further comprising attaching a plurality of wheels
14	to the carriage assembly such that the wheels ride along the first track.